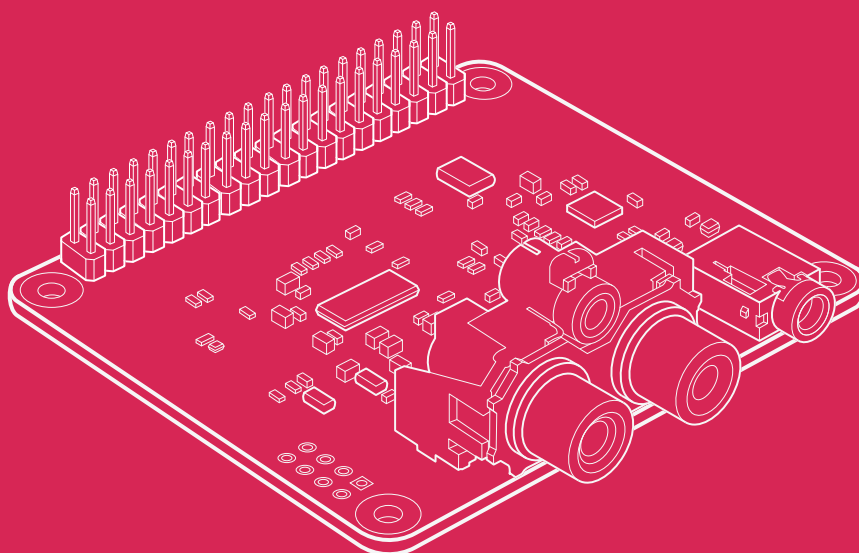




Raspberry Pi DAC+

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Raspberry Pi Ltd



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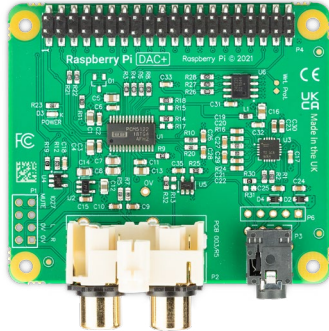


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Overview



Raspberry Pi DAC+ is a high-performance audio HAT compatible with any Raspberry Pi computer that has a 40-pin GPIO header. With the Texas Instruments PCM5122, it delivers stereo analogue audio to a pair of phono (RCA) connectors. It does not require external power, and connects directly to Raspberry Pi's GPIO header with no need for soldering or cables.

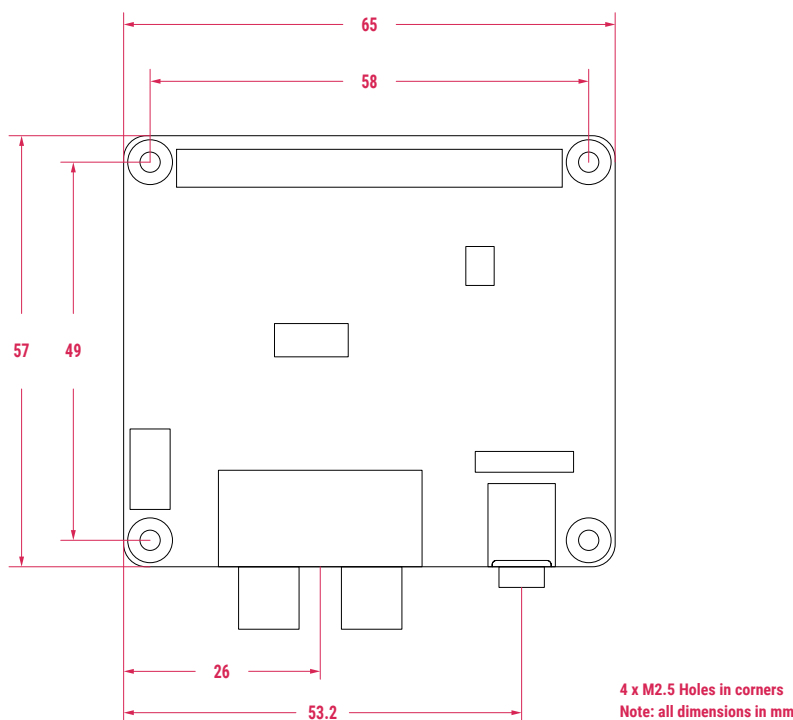


Specification

Form factor:	58 mm × 65 mm
Performance:	Full high definition 24-bit 192kHz Texas Instruments PCM5122 digital audio codec (DAC)
Input power:	Supplied by Raspberry Pi through the 40-pin GPIO header. No external power source required
Features:	<p>Power LED</p> <p>Analogue audio out (0–2V RMS) via panel-mounted stereo phono (RCA) sockets with MUTE signal (headphone detect)</p> <p>Dedicated headphone amplifier, output via 3.5mm panel-mounted barrel socket</p> <p>40-pin pass-through GPIO header</p> <p>HAT EEPROM write-enabled</p>
Operating temperature:	0°C–50°C
Production lifetime:	Raspberry Pi understands the value to customers of long-term availability of product, and therefore aims to continue supply for as long as practically possible. We expect Raspberry Pi DAC+ to remain in production until 2028
Compliance:	For a full list of local and regional product approvals, please visit pip.raspberrypi.com



Physical specification



WARNINGS

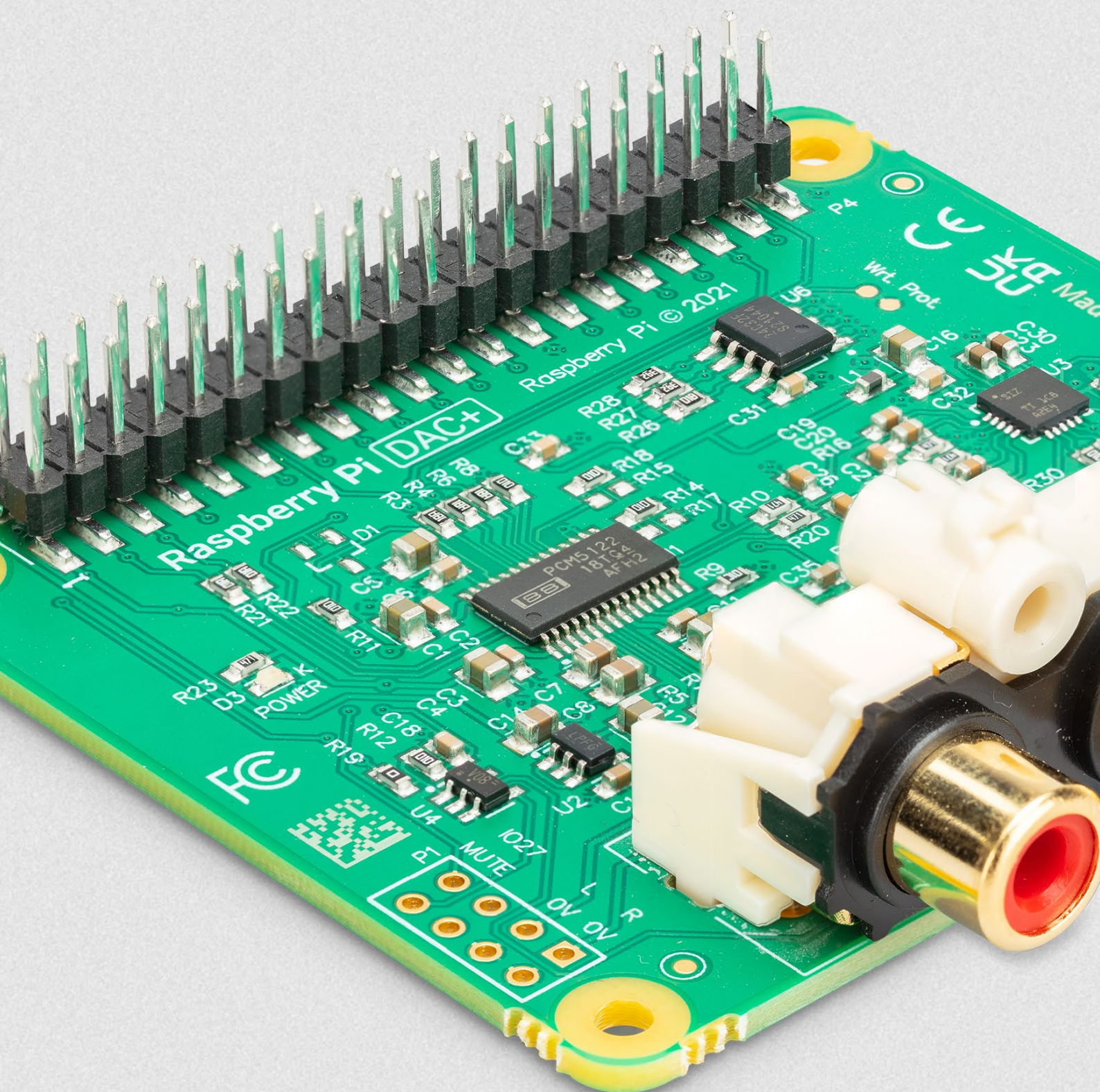
- This product should only be connected to a Raspberry Pi via the GPIO header.
- Any external power supply used with this product should comply with relevant regulations and standards applicable in the country of intended use.
- This product should be operated in a well-ventilated environment. If used inside a case, the case should not be covered.
- Whilst in use, this product should be placed on a stable, flat, non-conductive surface, and should not be contacted by conductive items.
- The connection of incompatible devices to the Raspberry Pi DAC+ may affect compliance, result in damage to the unit, and invalidate the warranty.
- The connection of incompatible devices to the GPIO connection of a Raspberry Pi computer may affect compliance and result in damage to the unit and invalidate the warranty.
- All peripherals used with this product should comply with relevant standards for the country of use, and should be marked accordingly to ensure that safety and performance requirements are met.
- The cables and connectors of all peripherals used with this product must have adequate insulation so that relevant safety requirements are met.
- Operation of this device requires adult supervision.

SAFETY INSTRUCTIONS

To avoid malfunction or damage to this product, please observe the following:

- Do not expose the product to water or moisture, or place it on a conductive surface while it is in operation.
- Do not expose the product to heat from any source; Raspberry Pi computers and the Raspberry Pi DAC+ are designed for reliable operation at normal ambient temperatures.
- Take care whilst handling to avoid mechanical or electrical damage to the printed circuit board and connectors.
- In order to minimise the risk of electrostatic discharge damage, avoid handling the Raspberry Pi DAC+ while it is powered. If it is necessary to do so, handle it only by the corners.







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